

JTAG MIRRORING CIRCUITRY AND METHODS**ABSTRACT OF THE DISCLOSURE**

The present invention provides a JTAG mirroring circuit that augments the
5 functionality of a JTAG circuit in an existing circuit design. The JTAG circuits include a
TAP controller, an instruction register, and a plurality of data registers. The JTAG mirroring
circuit of the present invention augments the functionality of pre-existing JTAG circuitry by
introducing additional data registers that are multiplexed with data registers in the pre-
existing JTAG circuit. Each of the additional data registers may perform functions that are
10 not performed by data registers in the pre-existing JTAG circuit.

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